



AMENDMENTS TO CLAIMS -- MARKED UP VERSION

Please amend the claims as follows:

(Once amended) A method of determining the current service level of a wireless 1. 1 communication device, the method comprising [the steps of]: 2 providing at least three distinct levels of service including a [first level of service] 3 storing service mode, a [second level of service] basic service mode, and a [third level of service] full service mode; 5 distinguishing between the [first service level] storing service mode and the 6 [second service level] basic service mode based upon one or more 7 characteristics of a forward channel from a messaging system to the . 8 wireless communication device; and 9 distinguishing between the [second service level] basic service mode and the 10 [third service level] full service mode based upon one or more 11 characteristics of a reverse channel from the wireless communication 12 device to the messaging system. 13 (Once amended) The method of claim 1, wherein new messages destined for the 2. 1 wireless communication device are stored by the messaging system while the 2 wireless communication device is providing the [first level of service] storing 3 service mode. 4 (Once amended) The method of claim 2, wherein new messages destined for the 3. 1 wireless communication device are transmitted to the wireless communication 2 device by the messaging system and stored messages that remain undelivered as a 3

Docket No.: 094780.P032C

Application No.: Not yet assigned

-19-

	4		result of the wireless communication device providing the [first level of service]
	5	٠	storing service mode remain undelivered while the wireless communication
	6		device is providing the [second level of service] basic service mode.
	1	4.	(Once amended) The method of claim 3, wherein both new messages and stored
	2		messages are transmitted to the wireless communication device by the messaging
	3		system while the wireless communication device is providing the [third level of
	4		service] <u>full service mode</u> .
	1	5.	(Once amended) The method of claim 1, wherein the one or more characteristics
() 13	2		of the forward channel includes the forward channel's signal quality.
	1	6.	(Once amended) The method of claim 5 further including [the step of] generating
`ዛ ይያ የሽ	2		a signal quality metric representative of the forward channel's signal quality over
ą	3		a predetermined period of time.
() -	1	7.	(Once amended) The method of claim 1, wherein the one or more characteristics
to C) b÷	2		of the forward channel includes a status.
F	1	8.	(Once amended) The method of claim 7, wherein the status represents a value
	2		from one of a plurality of states, the method further including [the step of]
	3		associating each of the plurality of states with a weight.
	1	9.	(Once amended) The method of claim 8, wherein the plurality of states [include]
	2		includes:
	3		no signal;
	4		synchronization error;
		Docke	rt No · 094780.P032C

Application No.: Not yet assigned

-20-

frame error; and

good frame.

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(Once amended) The method of claim 8 further including [the step of] generating

	2	·	a signal quality metric representative of the forward channel's signal quality over
	3		a predetermined period of time based upon weighted values of the status over the
	4		predetermined period of time.
	1	12.	(Once amended) A method of transitioning between service modes and indicating
	2		a current service mode to a user of a wireless communication device, the method
Œ	3		comprising [the steps of]:
الاس من دسته مصر من مستورون هروا. الإيا الريا كاتاب مناك ميكيد منه التن كإيرا.	4		determining a status of a signal associated with a forward channel from a
نون اپروا ارڈ	5		messaging system to the wireless communication device;
	6		determining a quality metric based upon the status over a predetermined period of
2	7		time;
And the street of the street	. 8		providing at least a full service mode, a basic service mode, and a storing service
€.,2 €.2	9		mode;
₽5,	10		if the current service mode is the storing service mode, transitioning to the basic
	11		service mode after determining the quality metric is better than a first
	12		predetermined threshold;
	13		if the current service mode is the basic service mode, transitioning to the full
	14		service mode after verification of a reverse channel from the wireless
	15		communication device to the messaging system; and

Docket No.: 094780.P032C

Application No.: Not yet assigned

service mode after determining the reverse channel has become degraded.

if the current service mode is the full service mode, transitioning to the basic

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	1	13.	(Once amended) The method of claim 12 further comprising [the step of]
	2	٠	providing an indication of the current service mode to the user.
	1	14.	(Once amended) The method of claim 12 further [including the steps of]
	2		comprising:
	3	•	determining an initial value for the current service mode by:
	4		inspecting the signal for synchronization information,
	5		initializing the current service mode to the storing service mode if no
	6		synchronization information is found, and
# 18 = == = ==	7		initializing the current service mode to the basic service mode if
15 14	8		synchronization information is found.
	1	15.	(Once amended) The method of claim 12 further [including the steps of]
ij	2		comprising:
	3		in the basic service mode, transitioning to the storing service mode after the status
64 [0 85	4		indicates the wireless communication device is out of range;
, '? ≠ ≒	5		in the full service mode, transitioning to the basic service mode after determining
	6		the quality metric is worse than a second predetermined threshold; and
	7		in the full service mode, transitioning to the storing service mode after the status
	8		indicates the wireless communication device is out of range.

Docket No.: 094780.P032C

Application No.: Not yet assigned

-22-

1	16.	(Once a

	1	16.	(Once amended) The method of claim 12, wherein the storing service mode
	2		includes a first storing state and a second storing state, and wherein the basic
	3		service mode includes a first basic state, a second basic state, and a third basic
	4		state, the method further [including the steps of] comprising:
	5		in the first storing state, re-initializing a service quality monitoring process after
	б		the status indicates a good frame has been detected on the forward
	7		channel;
	8		in the second storing state, beginning a registration process after the status
**	9		indicates a ping has been received from the messaging system on the
]] f	10		forward channel;
新型 医医性性 医二苯甲酚 医甲甲酚	11		in the first basic state, transitioning to the second basic state after determining the
i M	12		quality metric is better than a third predetermined threshold;
	13		in the second basic state, transitioning to the third basic state after determining the
ETT STEP STEP STEP	14		quality metric is worse than the second predetermined threshold; and
: (द्व	15		in the third basic state, transitioning to the second basic state after determining the
÷	16		quality metric is better than the third predetermined threshold.
	1	19.	(Once amended) The method of claim 12 further including [the step of]
	2		determining whether or not to attempt registering with the messaging system
	3		based upon the current service mode.
	1	20.	(Once amended) The method of claim 12 further including [the step of]
	2		periodically evaluating the quality metric.

Docket No.: 094780.P032C

Application No.: Not yet assigned

-23-

- 24 -

	1	21.	(Once amended) A method of registering a wireless communication device with a
	2	٠.	messaging system, the method comprising [the steps of]:
	3		providing a current service mode in one of a plurality of states including:
	4		a storing service mode in which new messages destined for the wireless
	5		communication device are not received by the wireless
	6		communication device,
	7		a basic service mode in which new messages destined for the wireless
	8		communication device are received by the wireless communication
	9		device and stored messages that remain undelivered as a result of
	10		the wireless communication device having been in the storing
14 14 53	11		service mode remain undelivered while the wireless
្រ ម្រ	12		communication device is in the basic service mode, and
	13		a full service mode in which both new messages and stored messages are
19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14		received by the wireless communication device while the wireless
14 10	15		communication device is in the full service mode,
}÷	16		a registration process determining what action to take based upon the current
	17		service mode.
	1	22.	(Once amended) The method of claim 21 further including [the steps of]:
	2		the registration process transmitting one or more registration messages to the
	3		messaging system during the basic service mode; and
	4		the registration process transmitting no registration messages to the messaging
	5		system during the full service mode and the storing service mode.

Docket No.: 094780.P032C

Application No.: Not yet assigned

-24-





	1	23.	(Once amended) The method of claim 21 further including [the steps of]:
	2		determining a status of a signal associated with a forward channel from a
	3		messaging system to the wireless communication device;
	4		determining a quality metric based upon the status over a predetermined period of
	5		time;
	6		if the current service mode is the storing service mode, transitioning to the basic
	7		service mode after determining the quality metric is better than a first
	8		predetermined threshold;
p eç	9		if the current service mode is the basic service mode, transitioning to the full
. \}} (6	10		service mode after verification of a reverse channel from the wireless
ij	11		communication device to the messaging system; and
() ()	12		if the current service mode is the full service mode, transitioning to the basic
	13		service mode after determining the reverse channel has become degraded.
i di	1	24.	(Once amended) The method of claim 23 further including [the steps of]:
ij Ja	2		determining an initial value for the current service mode by
,	3		inspecting the signal for synchronization information,
	4		initializing the current service mode to the storing service mode if no
	5		synchronization information is found, and
	б		initializing the current service mode to the basic service mode if
	7		synchronization information is found.

Docket No.: 094780.P032C Application No.: Not yet assigned

-25-



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1	25.	(Once amended) The method of claim 23 further including [the steps of]:
2		in the basic service mode, transitioning to the storing service mode after the status
3		indicates the wireless communication device is out of range;
4		in the full service mode, transitioning to the basic service mode after determining
5		the quality metric is worse than a second predetermined threshold; and
6		in the full service mode, transitioning to the storing service mode after the status
7		indicates the wireless communication device is out of range.

Please add the following claims:

1	30.	(New)A method comprising;
2		determining a status of a forward channel signal from a messaging system to a
3		wireless communication device;
4		determining a quality metric based upon the status of the forward channel signal
5		over a predetermined period of time;
6		providing at least a full service mode, a basic service mode, and a storing service
7		mode, wh erei n:
8		the storing service mode comprises at least a first storing state and a
9		second storing state, and
10		the basic service mode comprises at least a first basic state, a second basic
11		state, and a third basic state;
12		if the current service mode is the storing service mode, transitioning to the basic
13		service mode after determining the quality metric is better than a first
14		predetermined threshold;

Docket No.: 094780.P032C Application No.: Not yet assigned

-26-



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	15		if the current service mode is the basic service mode, transitioning to the full
	16		service mode after verification of a reverse channel from the wireless
	17		communication device to the messaging system; and
	18		if the current service mode is the full service mode, transitioning to the basic
	19		service mode after determining the reverse channel has become degraded
	20		or if the quality metric is worse than a second predetermined threshold.—
	1	31.	(New) -The method of claim 30, wherein the first basic state is a state in which
	2		the wireless communication device is barely in range, the second basic state is a
	3		state in which in which the forward channel signal is of good quality and the
	4		reverse channel is not verified, and the third basic state is a state in which the
(8 14 14	5		forward channel reception is breaking up
u 11 12	1	32.	(New) The method of claim 30, wherein the first storing state is a state in which
	2		the wireless communication device is out of range and the second storing state is a
14 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15	3		state in which the wireless communication device is almost out of range
£ %	ı	33.	(New) The method of claim 30, further comprising transitioning to the first
	2		storing state from any other state after receiving an out of range status from a
	3		forward channel monitoring logic
	1	34.	(New) -The method of claim 30, further comprising transitioning from the first
	2		basic state to the second basic state if the quality metric is better than a third
	3		predetermined threshold

Docket No.: 094780.P032C

Application No.: Not yet assigned

-27-





1	35.	(New) The method of claim 34, further comprising transitioning from the first
2		basic state or the third basic state to the second storing state if the quality metric i
3		worse than a fourth predetermined threshold
1	36.	(New) -The method of claim 30, further comprising transitioning from the
2		second basic state to the third basic state if the quality metric is worse than the
3		second predetermined threshold
1	3 7.	(New) The method of claim 30, wherein the first basic state is the initial state
2		on reset if a synchronization signal is found on the forward channel
1	38.	(New) -The method of claim 30, wherein the first storing state is the initial stat
2		on reset if a synchronization signal is not found on the forward channel.—
	2 3 1 2 3	2 3 1 36. 2 3 1 37. 2 1 38.

Docket No.: 094780.P032C

Application No.: Not yet assigned

-28-